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REPORT

STATISTICAL

REPORT NO. 163-87
November 13, 1987

national machine tool builders association
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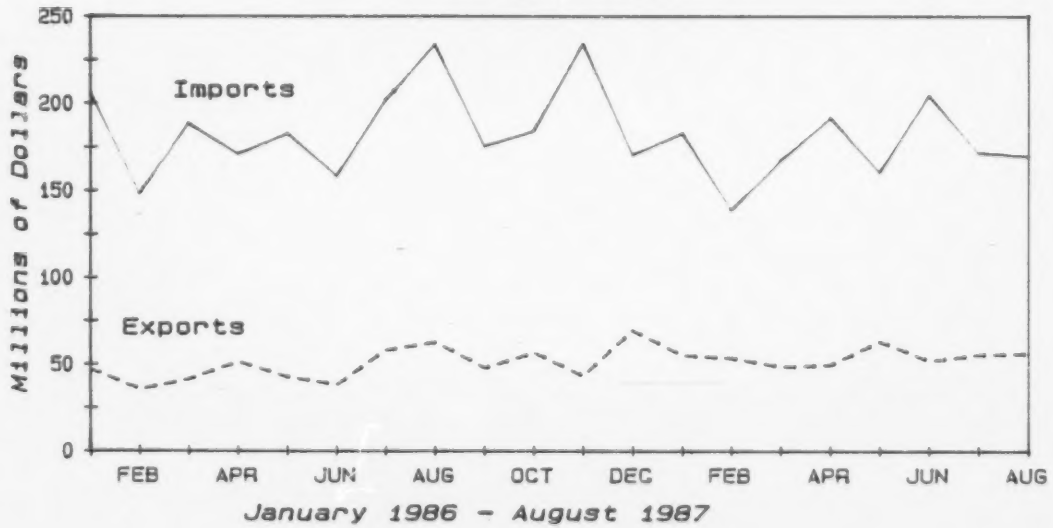
U.S. FOREIGN TRADE IN MACHINE TOOLS - AUGUST 1987

U.S. exports of machine tools rose 1% from the July total while machine tool imports fell 1%. U.S. exports totaled $431.3 million for the first eight months of 1987, a rise of 15% from the same period last year. Year-to-date imports fell 7% to $1,385.2 million. The resulting machine tool trade deficit was $113.2 million for August, bringing the eight month total deficit to $953.9 million, down 14% from the same period last year.

U.S. Machine Tool Trade
($Millions)

	August 1987			Eight Month Total		
	Exports	Imports	Surplus (Deficit)	Exports	Imports	Surplus (Deficit)
Metal Cutting	$ 39.4	$106.4	($ 67.0)	$254.7	$1,011.4	($ 756.7)
Metal Forming	$ 16.6	$ 62.9	($ 46.3)	$176.7	$ 373.8	($ 197.1)
Total	$ 56.1	$169.3	($113.2)	$431.3	$1,385.2	($ 953.9)

U.S. FOREIGN TRADE -- TOTAL MACHINE TOOLS
Monthly Totals

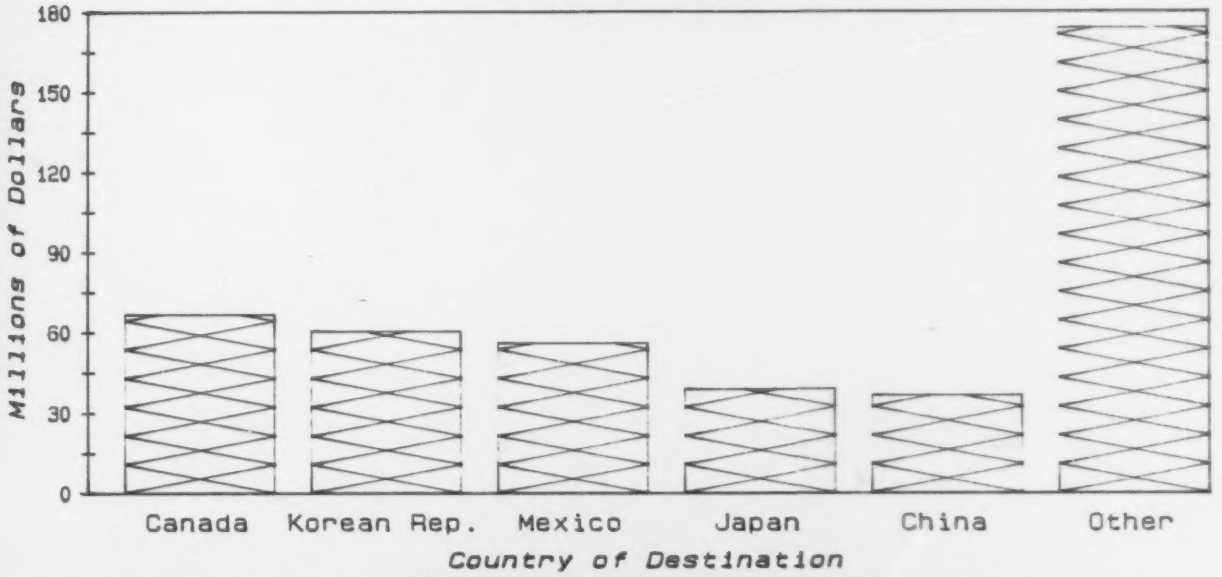


January 1986 - August 1987

NMTBA sponsors the INTERNATIONAL MACHINE TOOL SHOW
IMTS
The world of manufacturing technology

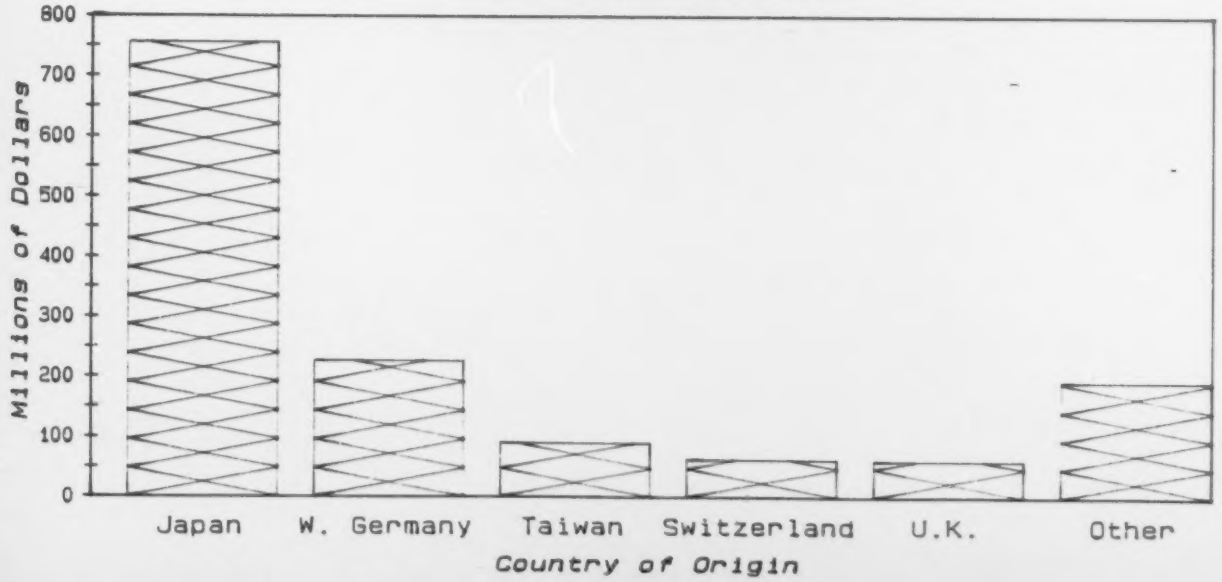
Compared to July, U.S. exports of metal cutting machine tools rose 6% and metal forming exports fell 9%. The year-to-date total of metal cutting machines gained 10% from last year's level. Exports of metal forming machinery increased 24% from the total registered for the first eight months of 1986. For January through August 1987, the leading export markets were (in millions): Canada ($66.6), the Korean Republic ($60.3), Mexico ($55.9), Japan ($38.6) and China ($36.2).

U.S. EXPORTS
1987, Year to Date



U.S. imports of metal cutting machine tools dropped 13% from last month's level as metal forming imports jumped 30%. Compared to the first eight months of 1986, imports of metal cutting machinery decreased 9% and imports of metal forming machine tools fell less than 1%. Leading exporters of machine tools to the U.S. during the first eight months of 1987 were (in millions): Japan ($755.0), West Germany ($225.3), Taiwan ($89.5), Switzerland ($62.3) and the United Kingdom ($60.4).

U.S. IMPORTS
1987, Year to Date



ES, I1, I2

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1987

RELEASED: NOVEMBER 13, 1987

		TOTAL YTD		TOTAL MO.	
674:	METAL CUTTING	UNITS	$000	UNITS	$000
3025	Gear Hobbers	62	9782	10	1905
3035	Gear Shapers	48	5934	25	784
3045	Gear Cutting Machines, N.E.C.	19	1276	3	71
3404	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	1147	97905	120	9222
3406	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	171	15596	3	251
3409	Horizontal Machining Centers, ATC, NC	472	73407	48	8367
3411	Machining Centers, NC, N.E.C.	355	44089	26	6273
3412	Single Station and Multi-Station Transfer Machines	78	14946	38	4052
3413	Way Type Machines, (Unit Heads)	3	179	0	0
3417	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	5	2288	0	0
3418	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	45	12361	0	0
3419	Vertical Boring-Drilling-Milling Machines, NC	129	10860	11	1057
3422	Horiz. Boring-Drilling-Milling Machines, Non-NC	16	701	0	0
3423	Vertical Boring-Drilling-Milling Machines, Non-NC	116	4332	19	86
3328	Drilling Machines, NC	128	5895	30	688
3329	Drilling Machines, Multi-Spindle, Non-NC	55	1635	19	208
3334	Drilling Machines, Radial, Non-NC	144	833	28	159
3336	Drilling Machines, Upright, Single Spindle, Non-NC	40	322	10	92
3342	Drilling Machines, Non-NC, N.E.C.	548	13453	132	1602
3464	Milling Machines, NC	449	23456	31	2312
3466	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	10	666	0	0
3467	Milling Machines, Knee Type, Non-NC	2201	12840	194	1265
3468	Milling Machines, Bed Type, Non-NC	185	5895	39	3293
3469	Milling Machines, Non-NC, N.E.C.	740	13066	107	3390
3476	Vertical Boring Machines, Incl. VTL's, NC	20	3650	1	324
3477	Vertical Boring Machines, Incl. VTL's, Non-NC	71	1919	9	213
3481	Boring Machines, NC, N.E.C.	26	2730	1	50
3483	Boring Machines, Non-NC N.E.C.	245	6676	56	1226
3504	Horizontal Lathes, Multi-Spindle, NC	76	6489	19	782
3506	Horizontal Lathes, Single Spindle, Less than 25 HP, NC	2146	114173	206	13273
3508	Horizontal Lathes, Single Spindle, 25-50 HP, NC	289	27778	21	2505
3510	Horizontal Lathes, Single Spindle, Over 50 HP, NC	150	12311	2	198
3512	Horizontal Engine & Toolroom Lathes, Non-NC	2174	16833	313	2076
3513	Automatic Chucking Lathes, Single Spindle, Non-NC	72	2740	5	652
3514	Automatic Chucking Lathes, Multi-Spindle, Non-NC	30	4778	1	414
3515	Automatic Bar Machines, Single Spindle, Non-NC	45	2103	4	139
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	43	1810	0	0
3518	Horizontal Lathes, Non-NC, N.E.C.	167	2336	2	23
3505	Vertical Lathes, Multi-Spindle, NC	72	5573	3	199
3519	Vertical Lathes, NSPF, NC	179	17845	9	968
3522	Vertical Lathes, Excl. VTL's, Non-NC	623	13208	57	1415
3527	Gear Tooth Grinding & Finishing Machines	213	18695	31	780
3528	Tool & Cutter Grinding Machines, NC	20	1097	1	205
3529	Tool & Cutter Grinding Machines, Non-NC	704	12234	68	2001
3533	Honing & Lapping Machines	181	8013	31	1061
3539	Grinding Machines, Flat Surface, NC	41	3469	2	516
3541	Grinding Machines, Flat Surface, Reciprocating Table, Non-NC	128	2475	24	622
3543	Grinding Machines, Flat Surface, Non-NC, N.E.C.	1459	17433	128	1324
3546	Grinding & Polishing Machines, NC, N.E.C.	109	21841	9	2986
3554	External Grinding Machines, Non-NC	181	6386	22	722
3556	Internal Grinding Machines, Non-NC	10	769	1	69
3558	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	68	6524	14	1323
3559	Grinding Machines, Non-NC, N.E.C.	1114	40253	97	3260
3562	Traveling Wire Electrical Discharge Machines	381	26358	44	2902
3564	All Other Electrical Discharge Machines	263	10986	13	313
3567	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	68	9097	12	1593
3571	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	94	2145	7	392
3576	Metal Cutting Machines Tools, NC, N.E.C.	70	68018	12	521
3577	Sawing & Cut-Off Machines, Non-NC	2976	26128	124	1275
3578	Broaching Machines, Non-NC	35	1205	2	10
3579	Metal Cutting Machine Tools, Non-NC, N.E.C.	925	30180	93	2877
4000	Metal Cutting Machine Tools, Used or Rebuilt*	2679	15422	300	2104
5000	Metal Cutting Machine Tools, Less Than $2500**	754853	67881	81058	9968
	TOTAL CUTTING			83695	106369
	TOTAL CUTTING YTD	780166	1011353		
674:	METAL FORMING				
1010	Die Casting Machines	263	16352	20	277
3582	Metal Forming Machine Tools, Used or Rebuilt	419	5152	24	97
3583	Metal Forming Machine Tools, Less Than $2500	17120	5819	1812	527
3584	Punching and Shearing Machines, Incl. Combination, NC	250	34215	27	3949
3586	Shearing Machines, Non-NC	521	11880	57	1114
3587	Punching & Combination Punching & Shearing Machines, Non-NC	472	7606	34	658
3588	Bending, Folding, Straightening & Flattening Machines, NC	113	9720	13	756
3589	Press Brakes, Non-NC	520	13357	49	833
3591	Bending Rolls, Ram & Press Bending Machines, Non-NC	54	897	1	8
3592	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	743	18811	82	2396
3593	Metal Forming Machine Tools, NC, N.E.C.	99	21529	11	1371
3594	Mechanical Presses, Non-NC	938	69230	26	15560
3595	Hydraulic Presses, Vertical, Single Action, Non-NC	136	20554	49	18425
3596	Hydraulic & Pneumatic Presses, Non-NC, N.E.C.	399	87993	37	11112
3597	Headers & Upsetters, Non-NC	99	4802	7	472
3598	Forging Machines, Non-NC, N.E.C.	97	5282	4	1203
3599	Metal Forming Machine Tools, Non-NC, N.E.C.	924	40620	116	4123
	TOTAL FORMING			2369	62884
	TOTAL FORMING YTD	23167	373843		
	TOTAL ALL TYPES			86064	169253
	TOTAL ALL TYPES YTD	803333	1385196		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3415, 3326, 3461,3472, 3502, 3524, & 3573

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3100, 3462, 3473, 3503, 3526, & 3574

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1987

	AUSTRIA		BELGIUM		DENMARK		FRANCE		ITALY	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	0	0	6	1370
3411	0	0	0	0	0	0	0	0	1	15
3412	0	0	0	0	0	0	0	0	35	3619
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	2	357
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	4	43
3342	0	0	0	0	0	0	0	0	83	704
3464	0	0	0	0	0	0	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	4	44	0	0	0	0	0	0	1	9
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	6	25
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	16	211
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	1	83	0	0	0	0	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3519	0	0	0	0	0	0	0	0	0	0
3522	10	809	0	0	0	0	0	0	1	10
3527	0	0	0	0	0	0	1	151	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	6	47
3533	0	0	0	0	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	4	88
3543	0	0	0	0	0	0	0	0	4	180
3546	0	0	0	0	0	0	0	0	0	0
3554	0	0	0	0	0	0	0	0	6	71
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	2	69
3559	0	0	0	0	24	141	1	6	2	42
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	0	0	0	0
3577	0	0	0	0	0	0	2	66	12	58
3578	0	0	0	0	0	0	0	0	0	0
3579	1	17	0	0	0	0	0	0	0	0
4000	0	0	0	0	0	0	2	7	10	54
5000	429	353	10	4	197	46	1053	193	573	786
CUT MO.	445	1306	10	4	221	187	1059	423	774	7756
CUT YTD	1768	6068	655	1189	2002	1038	4879	9827	4870	36310
1010	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	16	2	0	0	22	6	43	26	104	32
3584	0	0	0	0	0	0	0	0	5	190
3586	0	0	4	83	0	0	5	61	7	58
3587	0	0	0	0	0	0	0	0	10	42
3588	0	0	0	0	0	0	0	0	1	46
3589	0	0	17	291	0	0	0	0	0	0
3591	0	0	0	0	0	0	0	0	0	0
3592	0	0	0	0	0	0	3	10	20	546
3593	0	0	7	48	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	0	0	1	10	0	0	0	0	4	3644
3597	0	0	0	0	0	0	0	0	1	72
3598	0	0	0	0	0	0	1	221	0	0
3599	1	76	0	0	0	0	0	0	28	650
FRM MO.	17	78	29	433	22	6	52	318	180	5280
FRM YTD	57	1162	426	6244	33	237	478	2819	1785	20766
TOT MO.	462	1383	39	437	243	192	1111	741	954	13037
TOT YTD	1825	7230	1081	7433	2035	1274	5357	12646	6655	57076

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1987

	NETHERLANDS		PORTUGAL		SPAIN		SWEDEN		SWITZERLAND	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	1	36	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	4	119	0	0	0	0
3411	0	0	0	0	0	0	1	28	1	1220
3412	0	0	0	0	0	0	0	0	3	433
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	13	70	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	0	0	18	46	0	0	0	0
3464	0	0	0	0	2	54	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	82	666	0	0	0	0
3468	0	0	0	0	0	0	1	327	0	0
3469	0	0	0	0	2	16	1	129	12	162
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	1	98	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	7	51	0	0	0	0
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	1	21
3508	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	1	13
3512	0	0	0	0	2	59	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	3	136
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	1	11
3505	0	0	0	0	0	0	0	0	0	0
3519	0	0	0	0	0	0	0	0	0	0
3522	0	0	0	0	0	0	0	0	0	0
3527	0	0	0	0	0	0	0	0	6	469
3528	0	0	0	0	0	0	0	0	1	205
3529	0	0	0	0	0	0	0	0	24	689
3533	0	0	0	0	0	0	1	105	0	0
3539	0	0	0	0	0	0	0	0	1	275
3541	0	0	0	0	0	0	0	0	0	0
3543	0	0	0	0	0	0	0	0	1	25
3546	0	0	0	0	0	0	0	0	1	63
3554	0	0	0	0	0	0	0	0	2	71
3556	0	0	0	0	0	0	0	0	0	0
3558	4	73	0	0	0	0	0	0	2	737
3559	1	17	0	0	0	0	9	115	3	360
3562	0	0	0	0	0	0	0	0	7	810
3564	0	0	0	0	0	0	0	0	1	6
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	0	0	0	0
3577	0	0	0	0	3	72	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	5	120	2	30	0	0	2	50	4	54
4000	0	0	0	0	0	0	3	11	0	0
5000	21	19	32	71	116	15	237	148	154	11
CUT MO.	31	229	34	101	251	1303	255	913	229	5770
CUT YTD	609	5255	105	362	1628	9819	1372	8526	6156	48609
1010	1	8	0	0	1	43	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	36	27	0	0	71	3
3584	0	0	0	0	0	0	1	19	2	482
3586	1	15	2	34	0	0	0	0	0	0
3587	0	0	0	0	12	78	3	33	0	0
3588	0	0	0	0	0	0	0	0	1	53
3589	1	49	0	0	0	0	0	0	0	0
3591	0	0	0	0	0	0	1	8	0	0
3592	0	0	0	0	0	0	1	26	4	356
3593	0	0	0	0	0	0	0	0	2	1221
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	1	9	0	0	0	0	0	0	0	0
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	1	26
3599	0	0	0	0	0	0	0	0	0	0
FRM MO.	4	81	2	34	49	148	6	86	81	2141
FRM YTD	119	1993	40	544	118	1115	1484	4847	646	13738
TOT MO.	35	310	36	135	300	1450	261	998	310	7911
TOT YTD	728	7248	145	906	1746	10934	2856	13373	6802	62347

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1987

	U. KINGDOM		W. GERMANY		YUGOSLAVIA		CANADA		BRAZIL	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	8	1803	0	0	0	0	0	0
3035	1	149	24	635	0	0	0	0	0	0
3045	1	43	0	0	0	0	0	0	0	0
3404	0	0	1	107	0	0	0	0	2	139
3406	0	0	0	0	0	0	0	0	0	0
3409	1	127	0	0	0	0	0	0	0	0
3411	0	0	10	3817	0	0	0	0	0	0
3412	0	0	0	0	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	2	234	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	1	49	0	0
3334	1	18	0	0	0	0	0	0	0	0
3336	0	0	5	39	0	0	0	0	0	0
3342	0	0	20	714	0	0	1	3	2	11
3464	10	248	0	0	0	0	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	11	236	10	2105	0	0	0	0	0	0
3469	1	3	11	2494	0	0	0	0	0	0
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	2	116	20	185	0	0	3	41	0	0
3504	2	240	0	0	0	0	0	0	8	34
3506	6	281	4	893	0	0	0	0	0	0
3508	0	0	2	347	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	54	413	0	0	24	222	0	0	5	28
3513	0	0	1	508	0	0	0	0	0	0
3514	0	0	1	414	0	0	0	0	0	0
3515	1	3	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	1	6	0	0
3519	0	0	1	483	0	0	0	0	0	0
3522	10	154	3	31	0	0	0	0	16	75
3527	1	18	4	36	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	2	24	21	1045	0	0	1	10	0	0
3533	13	201	7	65	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	1	103	0	0	0	0	0	0
3543	1	16	9	179	0	0	0	0	0	0
3546	2	623	5	2163	0	0	0	0	0	0
3554	0	0	2	40	0	0	0	0	0	0
3556	0	0	1	69	0	0	0	0	0	0
3558	0	0	3	364	0	0	0	0	0	0
3559	4	23	23	961	0	0	2	8	0	0
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	0	0	0	0	0	0	0	0
3567	0	0	4	857	0	0	0	0	0	0
3571	3	13	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	1	87	0	0
3577	23	102	18	373	0	0	4	84	0	0
3578	0	0	2	10	0	0	0	0	0	0
3579	11	57	12	1706	0	0	25	269	0	0
4000	129	389	112	1102	0	0	9	38	0	0
5000	255	265	736	171	0	0	192	163	0	0
CUT MO.	545	3762	1083	24055	24	222	240	757	33	288
CUT YTD	7027	48327	48697	180005	335	3189	4981	14046	184	1077
1010	0	0	0	0	0	0	3	97	0	0
3582	3	3	1	7	0	0	20	87	0	0
3583	17	37	235	83	0	0	3	4	0	0
3584	0	0	6	903	0	0	0	0	0	0
3586	2	58	5	249	0	0	2	33	0	0
3587	1	134	1	190	0	0	0	0	0	0
3588	0	0	5	320	0	0	1	29	0	0
3589	1	12	0	0	0	0	5	122	0	0
3591	0	0	0	0	0	0	0	0	0	0
3592	2	114	3	342	0	0	24	270	0	0
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	1	6	0	0
3595	0	0	0	0	0	0	1	119	0	0
3596	2	247	9	743	0	0	3	216	0	0
3597	1	5	3	218	0	0	0	0	0	0
3598	1	10	1	946	0	0	0	0	0	0
3599	5	620	54	2170	0	0	6	97	0	0
FRM MO.	35	1241	323	6171	0	0	69	1077	0	0
FRM YTD	1144	12042	3378	45274	0	0	1421	18023	1	15
TOT MO.	580	5003	1406	30225	24	222	309	1835	33	288
TOT YTD	8171	60369	52075	225278	335	3189	6402	32070	185	1092

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1987

	CHINA		ISRAEL		JAPAN		KOREAN REP.		SINGAPORE	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	2	102	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	2	27	0	0	0	0	0	0
3404	0	0	0	0	104	8216	0	0	0	0
3406	0	0	0	0	1	113	0	0	0	0
3409	0	0	0	0	36	6649	0	0	0	0
3411	0	0	0	0	12	1134	1	59	0	0
3412	0	0	0	0	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	1	218	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	6	29	0	0	0	0
3328	0	0	0	0	15	323	0	0	0	0
3329	0	0	0	0	18	150	0	0	0	0
3334	0	0	0	0	1	29	0	0	0	0
3336	0	0	0	0	1	11	0	0	0	0
3342	0	0	0	0	7	119	0	0	0	0
3464	0	0	0	0	5	1482	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	10	50
3468	0	0	0	0	3	169	0	0	0	0
3469	20	97	0	0	2	69	0	0	0	0
3476	0	0	0	0	1	324	0	0	0	0
3477	0	0	0	0	2	90	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	4	540	0	0	0	0
3504	0	0	0	0	9	509	0	0	0	0
3506	0	0	0	0	178	11293	16	745	0	0
3508	0	0	0	0	18	2117	0	0	0	0
3510	0	0	0	0	1	185	0	0	0	0
3512	0	0	0	0	0	0	83	428	14	106
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	1	12	0	0	0	0	0	0	0	0
3505	0	0	0	0	2	193	0	0	0	0
3519	0	0	0	0	8	485	0	0	0	0
3522	6	34	0	0	5	205	1	39	0	0
3527	0	0	0	0	10	47	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	1	28	0	0	3	37	0	0	0	0
3533	0	0	0	0	10	690	0	0	0	0
3539	0	0	0	0	1	241	0	0	0	0
3541	0	0	0	0	4	192	0	0	15	239
3543	1	18	0	0	28	241	0	0	0	0
3546	0	0	0	0	1	137	0	0	0	0
3554	5	26	0	0	6	506	0	0	0	0
3556	0	0	0	0	0	0	0	0	0	0
3558	2	38	0	0	0	0	0	0	0	0
3559	1	11	0	0	17	1462	0	0	7	90
3562	0	0	0	0	22	2003	0	0	0	0
3564	0	0	0	0	10	281	0	0	0	0
3567	0	0	0	0	8	735	0	0	0	0
3571	0	0	0	0	3	359	0	0	0	0
3576	0	0	0	0	11	435	0	0	0	0
3577	1	13	0	0	21	355	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	22	529	0	0	0	0
4000	0	0	0	0	24	388	0	0	0	0
5000	394	60	0	0	10244	1736	15	23	127	185
CUT MO.	434	438	2	27	10885	45032	116	1295	173	669
CUT YTD	2875	2484	25	91	52357	523989	1002	10338	1503	4672
1010	0	0	0	0	8	67	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	275	86	48	11	0	0
3584	0	0	0	0	12	2189	0	0	0	0
3586	0	0	8	138	17	316	0	0	4	69
3587	0	0	0	0	7	181	0	0	0	0
3588	0	0	0	0	5	308	0	0	0	0
3589	0	0	1	31	24	329	0	0	0	0
3591	0	0	0	0	0	0	0	0	0	0
3592	0	0	1	11	17	704	0	0	0	0
3593	0	0	0	0	2	102	0	0	0	0
3594	0	0	0	0	25	15554	0	0	0	0
3595	0	0	0	0	31	18100	0	0	17	206
3596	0	0	0	0	16	6238	0	0	0	0
3597	0	0	0	0	2	177	0	0	0	0
3598	0	0	0	0	0	0	0	0	0	0
3599	0	0	2	84	9	149	5	154	1	71
FRM MO.	0	0	12	262	450	44499	53	165	22	346
FRM YTD	196	9	80	1627	5254	231039	61	227	106	1207
TOT MO.	434	438	14	290	11335	89531	169	1459	195	1015
TOT YTD	3071	2493	105	2538	57611	755028	1063	10565	1609	5878

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1987

674:	TAIWAN UNITS	TAIWAN $000	AUSTRALIA UNITS	AUSTRALIA $000	ALL OTHERS UNITS	ALL OTHERS $000
3025	0	0	0	0	0	0
3035	0	0	0	0	0	0
3045	0	0	0	0	0	0
3404	12	725	0	0	0	0
3406	2	138	0	0	0	0
3409	1	103	0	0	0	0
3411	0	0	0	0	0	0
3412	0	0	0	0	0	0
3413	0	0	0	0	0	0
3417	0	0	0	0	0	0
3418	0	0	0	0	0	0
3419	6	248	0	0	0	0
3422	0	0	0	0	0	0
3423	13	57	0	0	0	0
3328	15	365	0	0	0	0
3329	0	0	0	0	0	0
3334	13	42	0	0	0	0
3336	0	0	0	0	0	0
3342	1	5	0	0	0	0
3464	14	528	0	0	0	0
3466	0	0	0	0	0	0
3467	102	550	0	0	0	0
3468	14	456	0	0	0	0
3469	49	276	0	0	4	92
3476	0	0	0	0	0	0
3477	0	0	0	0	0	0
3481	0	0	0	0	1	50
3483	2	74	0	0	2	6
3504	0	0	0	0	0	0
3506	1	41	0	0	0	0
3508	1	41	0	0	0	0
3510	0	0	0	0	0	0
3512	90	451	0	0	40	286
3513	4	144	0	0	0	0
3514	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	0	0	0	0	0	0
3505	0	0	0	0	0	0
3519	0	0	0	0	0	0
3522	2	36	0	0	3	22
3527	9	59	0	0	0	0
3528	0	0	0	0	0	0
3529	10	121	0	0	0	0
3533	0	0	0	0	0	0
3539	0	0	0	0	0	0
3541	0	0	0	0	0	0
3543	82	656	0	0	2	8
3546	0	0	0	0	0	0
3554	0	0	0	0	1	9
3556	0	0	0	0	0	0
3558	0	0	0	0	1	42
3559	1	6	1	8	1	12
3562	0	0	15	89	0	0
3564	2	26	0	0	0	0
3567	0	0	0	0	0	0
3571	0	0	0	0	1	20
3576	0	0	0	0	0	0
3577	40	152	0	0	0	0
3578	0	0	0	0	0	0
3579	9	43	0	0	0	0
4000	10	114	0	0	1	2
5000	60305	5500	2	2	5966	219
CUT MO.	60810	10956	18	99	6023	767
CUT YTD	583419	87193	93	463	53624	7579
1010	7	63	0	0	0	0
3582	0	0	0	0	0	0
3583	908	150	0	0	34	61
3584	0	0	0	0	1	167
3586	0	0	0	0	0	0
3587	0	0	0	0	0	0
3588	0	0	0	0	0	0
3589	0	0	0	0	0	0
3591	0	0	0	0	0	0
3592	0	0	0	0	7	18
3593	0	0	0	0	0	0
3594	0	0	0	0	0	0
3595	0	0	0	0	0	0
3596	1	6	0	0	0	0
3597	0	0	0	0	0	0
3598	0	0	0	0	0	0
3599	2	25	3	29	0	0
FRM MO.	918	243	3	29	42	245
FRM YTD	5888	2259	39	287	413	8343
TOT MO.	61728	11199	21	127	6065	1012
TOT YTD	589307	89452	132	750	54037	15922

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMN
AUGUST 1987

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	4	98	0	0	4	98
EAST GERMANY	1	42	0	0	1	42
FINLAND	30	22	1	167	31	188
GIBRALTAR	0	0	0	0	0	0
GREECE	1	20	0	0	1	20
HUNGARY	0	0	0	0	0	0
ICELAND	0	0	0	0	0	0
IRELAND	5	28	0	0	5	28
MALTA	0	0	0	0	0	0
NORWAY	0	0	0	0	0	0
POLAND	28	209	0	0	28	209
ROMANIA	0	0	0	0	0	0
USSR	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	69	418	1	167	70	585
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN	0	0	0	0	0	0
COSTA RICA	0	0	0	0	0	0
DOMINICAN REP.	0	0	0	0	0	0
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	0	0	0	0
LW & WW IS.	2205	70	0	0	2205	70
MEXICO	3711	126	38	78	3749	203
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	0	0	0	0	0	0
PANAMA	0	0	0	0	0	0
SALVADOR	0	0	0	0	0	0
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	5916	196	38	78	5954	273
OTHER SOUTH AMERICA						
ARGENTINA	1	50	0	0	1	50
BOLIVIA	0	0	0	0	0	0
CHILE	0	0	0	0	0	0
COLOMBIA	0	0	0	0	0	0
ECUADOR	0	0	0	0	0	0
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	0	0	0	0	0	0
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
VENEZUELA	0	0	0	0	0	0
OTHER S. AM.	0	0	0	0	0	0
TOTAL	1	50	0	0	1	50
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
NEW ZEALAND	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMN
AUGUST 1987

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	0	0	0	0
BANGLADESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
HONG KONG	17	3	0	0	17	3
INDIA	9	34	3	1	12	35
INDONESIA	10	62	0	0	10	62
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	0	0	0	0	0	0
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	0	0	0	0	0	0
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PAKISTAN	0	0	0	0	0	0
PHILIPPINES	0	0	0	0	0	0
QATAR	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	0	0	0	0	0	0
TURKEY	0	0	0	0	0	0
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	36	99	3	1	39	100
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMEY	0	0	0	0	0	0
EGYPT	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	1	4	0	0	1	4
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAG. REP.	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
REP. S. AFRICA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	1	4	0	0	1	4

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. IM146; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'0-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED. 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING. 4)MACHINE TOOL IMPORTS, AS REFLECTED IN THE GOVERNMENT STATISTICS, ARE ACTUALLY UNDERVALUED SINCE THEY REFLECT VALUES IN THE COUNTRY OF ORIGIN AND DO NOT INCLUDE OCEAN FREIGHT, INSURANCE, COMMISSIONS OR IMPORT DUTIES.

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1987

RELEASED: NOVEMBER 13, 1987

		TOTAL YTD		TOTAL MO.	
674: METAL CUTTING		UNITS	$000	UNITS	$000
3020	Gear Hobbers & Shapers	29	3225	2	182
3045	Gear Cutting Machines, N.E.C.	64	18735	14	2961
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	26	1520	3	309
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	2	417	0	0
3209	Horizontal Machining Centers, ATC, NC	15	4492	1	621
3211	Machining Centers, NC, N.E.C.	127	10520	8	1535
3216	Single Station and Multi-Station Transfer Machines	21	12408	3	4026
3225	Way Type Machines (Unit Heads)	12	2208	3	399
3245	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	6	901	0	0
3246	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	5	580	0	0
3247	Vertical Boring-Drilling-Milling Machines, NC	10	896	0	0
3248	Horiz. Boring-Drilling-Milling Machines, Non-NC	15	1508	0	0
3249	Vertical Boring-Drilling-Milling Machines, Non-NC	37	1545	9	199
3254	Drilling Machines, NC	20	2258	3	1245
3255	Drilling Machines, Multi-Spindle, Non-NC	31	1976	1	300
3256	Drilling Machines, Radial, Non-NC	39	394	0	0
3257	Drilling Machines, Upright, Single Spindle, Non-NC	10	189	3	15
3258	Drilling Machines, Non-NC, N.E.C.	119	2499	10	206
3264	Milling Machines, NC	29	9112	3	1965
3266	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	15	566	2	312
3267	Milling Machines, Knee Type, Non-NC	0	0	0	0
3268	Milling Machines, Bed Type, Non-NC	2	112	1	80
3269	Milling Machines, Non-NC, N.E.C.	94	3168	9	236
3276	Vertical Boring Machines, Incl. VTLs, NC	4	1114	0	0
3277	Vertical Boring Machines, Incl. VTLs, Non-NC	123	8897	2	66
3281	Boring Machines, NC, N.E.C.	1	245	0	0
3283	Boring Machines, Non-NC, N.E.C.	29	2379	1	40
3503	Horizontal Lathes, Multi-Spindle, NC	9	1566	4	505
3505	Horizontal Lathes, Excl. Multi-Spindle, NC, Less Than 25 HP	59	5012	15	1165
3507	Horizontal Lathes, Excl. Multi-Spindle, NC, 25-50 HP	9	1800	0	0
3509	Horizontal Lathes, Excl. Multi-Spindle, NC, Over 50 HP	7	1797	0	0
3510	Horizontal Engine & Toolroom Lathes, Non-NC	52	845	7	102
3511	Automatic Chucking Lathes, Single Spindle, Non-NC	3	115	0	0
3512	Automatic Chucking Lathes, Multi-Spindle, Non-NC	6	446	0	0
3515	Automatic Bar Machines, Single-Spindle, Non-NC	27	1073	6	573
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	26	1154	0	0
3518	Horizontal Lathes, Non-NC, N.E.C.	378	11776	27	1178
3521	Vertical Lathes, Multi-Spindle, Excl. VTLs, NC	4	1069	0	0
3523	Vertical Lathes, Excl. Multi-Spindle & VTLs, NC	4	799	0	0
3525	Vertical Lathes, Excl. VTLs, Non-NC	79	5595	9	1010
3528	Grinding, Polishing, Honing & Lapping Machines, NC	123	20377	18	4616
3529	Gear Tooth Grinding & Finishing Machines, Non-NC	19	2953	0	0
3531	Tool & Cutter Grinding Machines, Non-NC	148	5431	5	183
3532	Honing & Lapping Machines, Non-NC	218	4459	11	817
3533	Grinding Machines, Flat Surface Reciprocating Table, Non-NC	100	1769	5	111
3538	Grinding Machines, Flat Surface, Non-NC, N.E.C.	278	18085	28	2059
3541	External Grinding Machines, Non-NC	20	1135	6	338
3542	Internal Grinding Machines, Non-NC	23	3805	5	1150
3544	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	117	7251	10	600
3546	Grinding Machines, Non-NC, N.E.C.	222	7831	38	358
3547	Traveling Wire Electrical Discharge Machines	7	84	2	27
3549	All Other Electrical Discharge Machines	89	1368	16	404
3551	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	12	771	2	150
3553	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	26	810	4	121
3559	Metal Cutting Machine Tools, NC, N.E.C.	36	2926	3	706
3565	Sawing & Cut-Off Machines, Non-NC	322	4863	52	368
3566	Broaching Machines, Non-NC	4	95	0	0
3567	Metal Cutting Machine Tools, Non-NC, N.E.C.	113	5653	12	215
4000	Metal Cutting Machine Tools, Used Or Rebuilt*	3743	30830	842	6783
5000	Metal Cutting Machine Tools, Less Than $2500**	20023	9198	4879	1199
	TOTAL CUTTING			6084	39440
	TOTAL CUTTING YTD	27191	254656		
674: METAL FORMING					
1011	Die Casting Machines & Parts	0	12015	0	2068
3568	Metal Forming Machine Tools, Used Or Rebuilt	485	10768	46	478
3569	Metal Forming Machine Tools, Less Than $2500	5149	3015	451	229
3571	Punching & Shearing Machines, Incl. Combination, NC	47	5100	4	410
3573	Shearing Machines, Non-NC	58	2593	21	332
3575	Punching & Combination Punching & Shearing Machines, Non-NC	401	6390	65	876
3578	Bending, Folding, Straightening & Flattening Machines, NC	50	2806	2	42
3582	Press Brakes, Non-NC	23	586	4	37
3583	Bending Rolls, Ram & Press Bending Machines, Non-NC	12	996	2	26
3584	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	424	13540	57	1773
3588	Mechanical Presses	157	14740	22	3961
3589	Hydraulic Presses, Vertical, Single Action	39	4788	15	388
3590	Hydraulic & Pneumatic Presses	482	30211	51	2509
3594	Headers & Upsetters, Non-NC	57	8926	8	1710
3595	Forging Machines, Non-NC, N.E.C.	135	4676	14	426
3598	Metal Forming Machine Tools, Non-NC, N.E.C.	625	55486	49	1381
	TOTAL FORMING			811	16649
	TOTAL FORMING YTD	8144	176657		
	TOTAL ALL TYPES			6895	56089
	TOTAL ALL TYPES YTD	35335	431313		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3241, 3252, 3261, 3272, 3501, 3526, & 3554.
**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3243, 3253, 3262, 3273, 3502, 3527, & 3557

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1987

	AUSTRIA		BELGIUM		DENMARK		FRANCE		IRELAND	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	2	166	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	2	1145	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	7	455	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	1	18	0	0
3528	17	4332	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	1	5	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	1	30
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	0	0	0	0	0	0	0	0
5000	0	0	69	22	0	0	27	18	1	2
CUT MO.	19	5468	79	647	0	0	28	36	2	32
CUT YTD	57	10839	525	10168	2	404	182	2698	30	199
1011	0	0	0	0	0	0	0	1507	0	0
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	6	4	0	0	4	2	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	0	0	0	0	0	0	0	0
3578	0	0	0	0	0	0	1	25	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	0	0	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	1	62	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	1	13	0	0	0	0	0	0
FRM MO.	0	0	8	79	0	0	5	1534	0	0
FRM YTD	4	230	232	705	9	189	115	3447	11	503
TOT MO.	19	5468	87	726	0	0	33	1570	2	32
TOT YTD	61	11069	757	10873	11	593	297	6145	41	702

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1987

	ITALY		NETHERLANDS		POLAND		SPAIN		SWEDEN	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	2	47	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	4	461	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	1	150	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	1	16	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	1	98	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	1	141	0	0	0	0	0	0	0	0
3546	1	3	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	8	21	0	0	0	0	0	0	0	0
5000	612	62	119	14	0	0	0	0	0	0
CUT MO.	630	983	120	30	0	0	0	0	0	0
CUT YTD	1016	3833	323	1472	32	3637	302	846	20	569
1011	0	0	0	0	0	0	0	69	0	0
3568	1	2	0	0	0	0	0	0	0	0
3569	0	0	0	0	0	0	0	0	4	3
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	8	49	0	0	0	0	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	3	117	0	0	0	0	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	2	117	0	0	0	0	1	39	0	0
3594	0	0	0	0	0	0	2	40	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	2	8	0	0	0	0	0	0
FRM MO.	11	169	5	126	0	0	3	147	4	3
FRM YTD	78	4041	76	1931	0	0	15	1038	29	1822
TOT MO.	641	1152	125	155	0	0	3	147	4	3
TOT YTD	1094	7874	399	3403	32	3637	317	1884	49	2391

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1987

	SWITZERLAND		U. KINGDOM		USSR		W. GERMANY		YUGOSLAVIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	6	1632	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	4	196	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	6	136	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	2	165	0	0	0	0	0	0
3505	0	0	1	72	0	0	4	402	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	1	7	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	1	6	0	0	2	157	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	1	217	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	1	8	0	0	0	0	3	85	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	2	147	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	1	61	0	0
3544	1	98	0	0	0	0	1	12	0	0
3546	0	0	0	0	0	0	2	200	2	15
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	1	299	0	0	0	0	0	0
3565	0	0	1	4	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	9	90	0	0	6	242	0	0
5000	0	0	870	140	0	0	16	12	0	0
CUT MO.	2	106	893	1135	0	0	47	3147	2	15
CUT YTD	396	1681	2929	9663	3	196	794	15078	6	1299
1011	0	0	0	43	0	0	0	66	0	0
3568	0	0	1	5	0	0	1	11	0	0
3569	0	0	19	5	0	0	19	12	0	0
3571	0	0	1	27	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	5	44	0	0	1	6	0	0
3578	0	0	1	17	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	4	128	0	0	0	0	0	0
3588	0	0	2	476	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	1	931	0	0
3595	0	0	0	0	0	0	3	60	0	0
3598	0	0	1	67	0	0	0	0	0	0
FRM MO.	0	0	34	812	0	0	25	1086	0	0
FRM YTD	22	1669	192	6898	36	1042	389	6162	4	132
TOT MO.	2	106	927	1947	0	0	72	4233	2	15
TOT YTD	418	3350	3121	16561	39	1238	1183	21240	10	1431

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	OTH. EUROPE		CANADA		MEXICO		OTH. N & C		ARGENTINA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	1	18	1	164	0	0	0	0
3045	0	0	6	414	0	0	0	0	0	0
3204	0	0	0	0	1	143	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	1	621	0	0	0	0	0	0
3211	0	0	0	0	2	194	0	0	0	0
3216	0	0	0	0	3	4026	0	0	0	0
3225	0	0	3	399	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	3	63	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	1	3	2	13	0	0	0	0
3258	0	0	0	0	1	17	2	10	0	0
3264	0	0	0	0	2	1827	0	0	0	0
3266	0	0	0	0	2	312	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	1	22	5	79	1	15	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	1	57	1	10	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	2	339	0	0	0	0
3505	0	0	0	0	1	77	0	0	2	159
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	1	18	4	42	0	0	1	36
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	2	112	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	3	595	5	39	2	12	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	2	149	1	65	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	2	15	3	168	0	0	0	0
3532	0	0	3	638	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	1	7	3	140	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	1	227	0	0	0	0	0	0
3544	0	0	1	13	3	31	0	0	0	0
3546	0	0	2	10	3	21	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	2	88	5	13	1	80	0	0
3551	0	0	1	84	0	0	0	0	0	0
3553	0	0	0	0	2	37	0	0	0	0
3559	1	378	0	0	0	0	0	0	0	0
3565	0	0	14	177	37	188	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	5	53	4	23	0	0	0	0
4000	1	70	35	399	364	1555	105	211	0	0
5000	74	25	243	268	20	37	76	60	3	5
CUT MO.	76	473	333	4337	479	9669	187	388	6	199
CUT YTD	345	1888	4569	39961	2797	37388	646	1627	75	816
1011	0	0	0	72	0	118	0	0	0	0
3568	1	68	2	54	31	282	4	6	0	0
3569	68	12	224	116	39	48	0	0	0	0
3571	0	0	2	283	0	0	0	0	0	0
3573	0	0	2	108	0	0	0	0	0	0
3575	0	0	4	78	34	186	7	229	1	24
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	1	4	0	0	0	0	0	0
3583	0	0	0	0	2	26	0	0	0	0
3584	4	176	20	572	11	203	0	0	3	16
3588	0	0	0	0	6	121	0	0	0	0
3589	0	0	1	60	3	93	0	0	0	0
3590	0	0	3	428	35	549	0	0	0	0
3594	0	0	0	0	1	12	0	0	0	0
3595	0	0	2	47	8	44	0	0	0	0
3598	1	42	7	226	14	219	0	0	0	0
FRM MO.	74	297	268	2047	184	1901	11	234	4	39
FRM YTD	118	1646	3421	26594	1248	18518	95	1011	16	502
TOT MO.	150	770	601	6384	663	11570	198	622	10	238
TOT YTD	463	3533	7990	66555	4045	55906	741	2638	91	1317

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	BRAZIL		COLOMBIA		VENEZUELA		OTH. S. AM.		CHINA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	3	20	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	1	80	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	6	60	0	0	1	85	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	2	656	0	0	1	102	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	2	645	0	0	0	0	0	0	1	217
3544	0	0	0	0	0	0	0	0	1	175
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	1	33	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	1	11	0	0	0	0
4000	5	321	112	386	54	1409	5	8	3	138
5000	4	4	1	2	41	69	47	9	0	0
CUT MO.	15	1738	122	468	97	1591	53	102	5	529
CUT YTD	148	8685	196	1371	464	2381	252	938	731	18024
1011	0	0	0	8	0	0	0	0	0	0
3568	2	35	0	0	0	0	0	0	0	0
3569	0	0	0	0	0	0	19	16	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	0	0	1	11	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	2	80	0	0	0	0	4	25	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	6	32	0	0	0	0
3594	0	0	1	85	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	2	60	0	0	0	0
FRM MO.	4	115	1	93	9	102	23	41	0	0
FRM YTD	76	5029	27	650	86	2509	326	536	114	18144
TOT MO.	19	1853	123	560	106	1693	76	143	5	529
TOT YTD	224	13714	223	2021	550	4889	578	1474	845	36168

U.S. EXPORTS OF MACHINE TOOLS
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	HONG KONG		INDIA		INDONESIA		ISRAEL		JAPAN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	1	65
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	3	15	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	2	273	1	137	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	0	0	0	0	1	53	1	12
3533	4	22	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	6	338
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	24	73	0	0	0	0	0	0	0	0
3547	0	0	2	27	0	0	0	0	0	0
3549	2	57	0	0	0	0	0	0	2	16
3551	0	0	0	0	0	0	0	0	1	66
3553	0	0	0	0	0	0	0	0	1	43
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	2	113	0	0	0	0	0	0	11	196
5000	9	8	63	19	0	0	1273	59	631	107
CUT MO.	46	560	66	183	0	0	1274	112	654	843
CUT YTD	680	1589	175	2542	17	632	1738	1398	3142	20374
1011	0	95	0	2	0	0	0	0	0	2
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	0	0	0	0	1	2	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	0	0	0	0	1	45	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	0	0	0	0
3588	0	0	0	0	0	0	0	0	2	1419
3589	0	0	0	0	0	0	0	0	11	235
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	1	530	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	5	20
FRM MO.	0	95	1	532	0	0	2	47	18	1676
FRM YTD	23	881	9	800	1	437	10	310	187	18229
TOT MO.	46	655	67	715	0	0	1276	158	672	2519
TOT YTD	703	2471	184	3342	18	1069	1748	1708	3329	38603

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TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
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	KOREAN REP.		PAKISTAN		S. ARABIA		SINGAPORE		TAIWAN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	2	915	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	1	300	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	1	3	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	1	138	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	1	40	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	4	210	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	1	294	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	1	89	0	0
3538	18	910	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	1	119	0	0	0	0	1	10	0	0
3546	0	0	0	0	0	0	1	8	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	1	41	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	3	398	51	180	0	0	8	139	1	9
5000	9	2	0	0	11	23	76	84	173	47
CUT MO.	42	3232	51	180	11	23	88	468	174	56
CUT YTD	886	29486	279	977	227	313	529	4189	426	4451
1011	0	0	0	0	0	0	0	2	0	15
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	0	0	0	0	44	5	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	1	160	0	0	0	0	2	46	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	3	33
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	3	359	0	0
3588	1	223	0	0	0	0	0	0	9	466
3589	0	0	0	0	0	0	0	0	0	0
3590	1	380	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	2	113
3595	1	275	0	0	0	0	0	0	0	0
3598	15	617	0	0	0	0	0	0	0	0
FRM MO.	19	1655	0	0	0	0	49	412	14	626
FRM YTD	321	30839	5	50	52	59	138	3696	35	2099
TOT MO.	61	4886	51	180	11	23	137	880	188	682
TOT YTD	1207	60325	284	1027	279	372	667	7886	461	6550

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1987

	TURKEY		OTHER ASIA		AUSTRALIA		NEW ZEALAND		OTH OCEANIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	1	1198	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	1	56	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	2	23	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	1	74	0	0	2	43	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	2	128	0	0	0	0	0	0
4000	54	878	4	7	1	16	0	0	0	0
5000	0	0	9	9	396	82	0	0	0	0
CUT MO	55	951	15	143	401	1395	2	23	0	0
CUT YTD	214	6342	399	956	1407	4688	37	130	1	2
1011	0	0	0	16	0	41	0	0	0	0
3568	0	0	0	0	3	15	0	0	0	0
3569	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	1	100	0	0
3573	18	173	0	0	1	51	0	0	0	0
3575	0	0	0	0	0	0	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	57	1	10	1	30	0	0	0	0
3588	1	1093	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	2	903	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	1	110	0	0	0	0
FRM MO.	20	1322	1	26	8	1151	1	100	0	0
FRM YTD	51	3717	140	2074	288	3605	9	532	2	20
TOT MO.	75	2274	16	169	409	2546	3	123	0	0
TOT YTD	265	10060	539	3031	1695	8295	46	661	3	22

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1987

674:	EGYPT UNITS	EGYPT $000	REP. S. AFR UNITS	REP. S. AFR $000	OTH. AFRICA UNITS	OTH. AFRICA $000
3020	0	0	0	0	0	0
3045	0	0	0	0	0	0
3204	0	0	0	0	0	0
3206	0	0	0	0	0	0
3209	0	0	0	0	0	0
3211	0	0	0	0	0	0
3216	0	0	0	0	0	0
3225	0	0	0	0	0	0
3245	0	0	0	0	0	0
3246	0	0	0	0	0	0
3247	0	0	0	0	0	0
3248	0	0	0	0	0	0
3249	0	0	0	0	0	0
3254	0	0	0	0	0	0
3255	0	0	0	0	0	0
3256	0	0	0	0	0	0
3257	0	0	0	0	0	0
3258	3	156	0	0	0	0
3264	0	0	0	0	0	0
3266	0	0	0	0	0	0
3267	0	0	0	0	0	0
3268	0	0	0	0	0	0
3269	0	0	0	0	0	0
3276	0	0	0	0	0	0
3277	0	0	0	0	0	0
3281	0	0	0	0	0	0
3283	0	0	0	0	0	0
3503	0	0	0	0	0	0
3505	0	0	0	0	0	0
3507	0	0	0	0	0	0
3509	0	0	0	0	0	0
3510	0	0	0	0	0	0
3511	0	0	0	0	0	0
3512	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	0	0	0	0	0	0
3521	0	0	0	0	0	0
3523	0	0	0	0	0	0
3525	0	0	0	0	0	0
3528	0	0	0	0	0	0
3529	0	0	0	0	0	0
3531	0	0	0	0	0	0
3532	0	0	0	0	0	0
3533	0	0	0	0	0	0
3538	0	0	0	0	0	0
3541	0	0	0	0	0	0
3542	0	0	0	0	0	0
3544	0	0	0	0	0	0
3546	0	0	1	4	0	0
3547	0	0	0	0	0	0
3549	0	0	0	0	0	0
3551	0	0	0	0	0	0
3553	0	0	0	0	0	0
3559	0	0	0	0	0	0
3565	0	0	0	0	0	0
3566	0	0	0	0	0	0
3567	0	0	0	0	0	0
4000	0	0	0	0	0	0
5000	0	0	4	8	2	5
CUT MO.	3	156	5	12	2	5
CUT YTD	10	228	150	413	34	236
1011	0	13	0	0	0	0
3568	0	0	0	0	0	0
3569	0	0	4	4	0	0
3571	0	0	0	0	0	0
3573	0	0	0	0	0	0
3575	0	0	0	0	0	0
3578	0	0	0	0	0	0
3582	0	0	0	0	0	0
3583	0	0	0	0	0	0
3584	0	0	0	0	0	0
3588	1	164	0	0	0	0
3589	0	0	0	0	0	0
3590	0	0	0	0	0	0
3594	0	0	0	0	0	0
3595	0	0	0	0	0	0
3598	0	0	0	0	0	0
FRM MO.	1	176	4	4	0	0
FRM YTD	83	586	42	771	9	2977
TOT MO.	4	332	9	16	2	5
TOT YTD	93	814	192	1184	43	3213

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMNS
AUGUST 1987

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	0	0	1	68	1	68
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	0	0	0	0	0	0
EAST GERMANY	0	0	0	0	0	0
FINLAND	1	378	1	42	2	419
GIBRALTAR	0	0	0	0	0	0
GREECE	0	0	68	12	68	12
HUNGARY	0	0	0	0	0	0
ICELAND	0	0	0	0	0	0
MALTA	0	0	0	0	0	0
NORWAY	74	25	4	176	78	201
PORTUGAL	0	0	0	0	0	0
ROMANIA	1	70	0	0	1	70
OTHER EUROPE	0	0	0	0	0	0
TOTAL	76	473	74	297	150	770
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	85	39	0	0	85	39
BERMUDA	1	15	0	0	1	15
CAYMAN ISLANDS	0	0	0	0	0	0
COSTA RICA	2	5	0	0	2	5
DOMINICAN REP.	0	0	0	0	0	0
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	29	27	5	137	34	164
HAITI	0	0	4	6	4	6
HONDURAS	5	36	2	92	7	128
JAMAICA	10	30	0	0	10	30
LW & WW IS.	0	0	0	0	0	0
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	1	117	0	0	1	117
PANAMA	1	80	0	0	1	80
SALVADOR	53	39	0	0	53	39
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	187	388	11	234	198	622
OTHER SOUTH AMERICA						
BOLIVIA	0	0	0	0	0	0
CHILE	43	4	4	25	47	29
ECUADOR	6	93	19	16	25	109
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	4	5	0	0	4	5
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
OTHER S. AM.	0	0	0	0	0	0
TOTAL	53	102	23	41	76	143
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
AUGUST 1987

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	1	10	1	10
BANGALDESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	0	0	0	0	0	0
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	0	0	0	0	0	0
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PHILIPPINES	14	58	0	0	14	58
QATAR	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	1	86	0	16	1	101
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	15	143	1	26	16	169
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMENY	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAGASY REP.	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	1	2	0	0	1	2
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	1	3	0	0	1	3
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	2	5	0	0	2	5

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. EM522; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'0-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED. 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING.